

SommaK

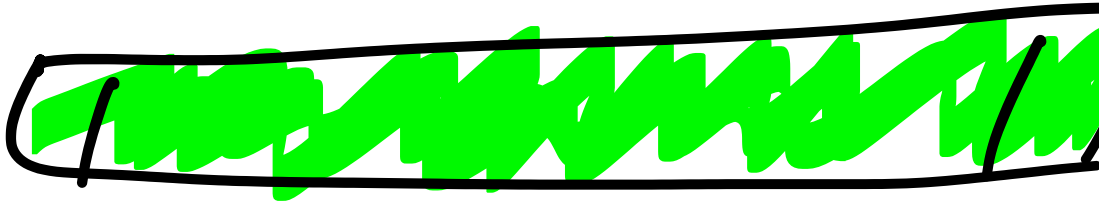
Wednesday, 6 March 2019

14:47

INPUT: vettore $A[1..n]$ o
un intero k

OUTPUT: Se $\exists 1 \leq i, j \leq n$:
 $i \neq j$

1) controllo A

2) 
 $i \rightarrow A_i$ $j \rightarrow A_j$

$\rightarrow T(n) = \Theta(n \log n)$

1; infer;

$$A[i] + A[j] = k$$

$\Theta(n \log n)$

$$A[i] + A[j] \begin{cases} > k \\ = k \end{cases}$$

$O(n)$

$$< k$$

$$) + O(n) = \Theta(n \log n)$$

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